

1 47612/LTR/G319

ABSTRACT OF THE DISCLOSURE

5 Systems and methods for improved electronic data storage  
management that allow the file system to physically adapt and  
optimize to a variety of add-on hardware components (such as  
hard disks, removable drives, CD ROM drives, etc.) while  
virtually maintaining a stable system configuration from an  
application software point of view. The Redirector presents a  
10 virtual view of the file system by providing a virtual view of  
logical volumes. Through the use of a Redirector component,  
all application program file API's to the operating system are  
filtered; if the file, or directory is redirected, then the  
call is sent in a modified form to the operating system to its  
15 redirected physical location. The physical movement of files  
is accomplished through the use of a Migrator component. The  
Migrator makes a copy of the file, verifies the correctness of  
the copy, updates the redirector table, and then removes the  
physical file from its original location.

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